

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| L12 | 365  | 713/176.ccls. and document and side   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L13 | 63   | 713/176.ccls. and document and side with through  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L14 | 2    | watermark with both with side with through  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L15 | 20   | watermark with two with sided   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L16 | 80   | watermark   | USOCR   | OR | OFF | 2007/04/19 10:05 |
| L17 | 0    | watermark with oppos\$5 with side   | USOCR   | OR | OFF | 2007/04/19 10:05 |
| L18 | 21   | watermark with oppos\$5 with side   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L19 | 57   | (seal\$3 pattern watermark\$3 mark\$3) with oppos\$6 with side with print\$4 and authentic\$7 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L20 | 5379 | (seal\$3 pattern watermark\$3 mark\$3) with half with side                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L21 | 0    | (seal\$3 pattern watermark\$3 mark\$3) with (part\$4 half) with side with one with other      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L22 | 57   | watermark\$3 with (part\$4 half) with side  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| L23 | 32   | seal\$3 with (part\$4 half) with side and authentic\$7           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L24 | 0    | 380/51-59.ccls   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L25 | 1383 | 380/51-59.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L26 | 578  | 380/51-59.ccls. and (side surface)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L27 | 83   | 380/51-59.ccls. and (side surface) with (oppos\$5 other)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L28 | 24   | 380/51-59.ccls. and (side surface) with (watermark "water mark") | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L29 | 3    | fingerprint with surface with oppos\$4                           | USOCR   | OR | OFF | 2007/04/19 10:05 |
| L30 | 92   | 283/78.ccls.   | USPAT   | OR | OFF | 2007/04/19 10:05 |
| L31 | 19   | 283/78.ccls. and (surface side) with (second other oppos\$4)     | USPAT   | OR | OFF | 2007/04/19 10:05 |
| L32 | 2843 | "283"/\$.ccls. and (surface side) with (second other oppos\$4)   | USPAT   | OR | OFF | 2007/04/19 10:05 |
| L33 | 27   | "5420406"  | USPAT   | OR | OFF | 2007/04/19 10:05 |
| L34 | 10   | "5420406" and visible  | USPAT   | OR | OFF | 2007/04/19 10:05 |
| L35 | 0    | "5420406" and invisible  | USPAT   | OR | OFF | 2007/04/19 10:05 |
| L36 | 68   | coupon with (picture photograph)                                 | USPAT   | OR | OFF | 2007/04/19 10:05 |
| L37 | 37   | ("water mark" watermark) with front with back                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| L38 | 18  | ("water mark" watermark) with double with sided   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L39 | 20  | ("water mark" watermark) with two with sided  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L40 | 15  | ("water mark" watermark fingerprint seal) with double with sided  | USOCR   | OR | OFF | 2007/04/19 10:05 |
| L41 | 699 | (fingerprint seal) with double with sided   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L42 | 6   | (fingerprint) with double with sided  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L43 | 15  | (photo photograph) with ticket with (encrypt\$4 encod\$4 encipher\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L44 | 7   | (photo photograph) with ticket with (encrypt\$4 encod\$4 encipher\$4) and (commerce internet)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L45 | 1   | (photo photograph) with ticket with (encrypt\$4 encod\$4 encipher\$4) and (cancel)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L46 | 0   | (photo photograph) same (coupon ticket) same (encrypt\$4 encod\$4 encipher\$4) same (cancel)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L47 | 53  | (photo photograph) same (coupon ticket) same (encrypt\$4 encod\$4 encipher\$4) and (internet commerce network cancel) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L48 | 1   | "5304786".PN.   | USPAT   | OR | OFF | 2007/04/19 10:05 |
| L49 | 1   | "5252987".PN.   | USPAT   | OR | OFF | 2007/04/19 10:05 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| L50 | 1   | "5248856".PN.  | USPAT   | OR | OFF | 2007/04/19 10:05 |
| L51 | 1   | (photo photograph) with (coupon ticket) same internet and (barcode "bar code")                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L52 | 169 | (photo photograph) with (coupon ticket) and (barcode "bar code")                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L53 | 102 | (photo photograph) with (coupon ticket) and (barcode "bar code") and ("e-commerce" internet network) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L54 | 81  | (photo photograph) with (coupon ticket) and (barcode "bar code") and ("e-commerce" internet)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L55 | 11  | (photo photograph) with (coupon ticket) and ("e-commerce")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L56 | 184 | (photo photograph) with (coupon ticket) and (internet "e-commerce")                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19 10:05 |
| L57 | 26  | "e-commerce" with (coupon ticket)  | USPAT   | OR | OFF | 2007/04/19 10:05 |
| L58 | 391 | internet with (coupon ticket)  | USPAT   | OR | OFF | 2007/04/19 10:05 |
| L59 | 13  | "4864614"  | USPAT   | OR | OFF | 2007/04/19 10:05 |
| L60 | 1   | "6789191" .pn.   | USPAT   | OR | OFF | 2007/04/19 10:05 |
| S1  | 45  | (seal pattern) with both with side and authentic\$7  | USPAT   | OR | OFF | 2003/11/03 16:14 |
| S2  | 59  | (seal pattern) with both with side and authentic\$7  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/04 10:19 |
| S3  | 61  | (seal pattern watermark) with both with side and authentic\$7  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/04 11:12 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S4  | 777  | 713/176.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/04 10:36 |
| S5  | 389  | 713/176.ccls. and document  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/04 10:44 |
| S6  | 116  | 713/176.ccls. and document and side   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/04 10:58 |
| S7  | 17   | 713/176.ccls. and document and side<br>with through   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/04 10:59 |
| S8  | 1    | watermark with both with side with<br>through   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/04 11:00 |
| S9  | 3    | watermark with two with sided   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/04 11:04 |
| S10 | 80   | watermark   | USOCR   | OR | OFF | 2003/11/05 13:56 |
| S11 | 0    | watermark with oppos\$5 with side   | USOCR   | OR | OFF | 2003/11/04 11:06 |
| S12 | 10   | watermark with oppos\$5 with side   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/04 11:06 |
| S13 | 13   | (seal\$3 pattern watermark\$3 mark\$3)<br>with oppos\$6 with side with print\$4<br>and authentic\$7 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/05 08:38 |
| S14 | 3979 | (seal\$3 pattern watermark\$3 mark\$3)<br>with half with side                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/05 08:38 |

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|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S15 | 0    | (seal\$3 pattern watermark\$3 mark\$3) with (part\$4 half) with side with one with other | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/05 08:39 |
| S16 | 32   | watermark\$3 with (part\$4 half) with side   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/05 08:43 |
| S17 | 13   | seal\$3 with (part\$4 half) with side and authentic\$7                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/05 13:45 |
| S18 | 0    | 380/51-59.ccls   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/05 13:48 |
| S19 | 1133 | 380/51-59.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/05 13:48 |
| S20 | 445  | 380/51-59.ccls. and (side surface)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/05 13:48 |
| S21 | 67   | 380/51-59.ccls. and (side surface) with (oppos\$5 other)                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/05 13:54 |
| S22 | 8    | 380/51-59.ccls. and (side surface) with (watermark "water mark")                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/05 13:54 |
| S23 | 3    | fingerprint with surface with oppos\$4   | USOCR   | OR | OFF | 2003/11/05 13:56 |
| S24 | 89   | 283/78.ccls.   | USPAT   | OR | OFF | 2003/11/05 15:01 |
| S25 | 19   | 283/78.ccls. and (surface side) with (second other oppos\$4)                             | USPAT   | OR | OFF | 2003/11/05 15:02 |
| S26 | 2503 | "283"/\$.ccls. and (surface side) with (second other oppos\$4)                           | USPAT   | OR | OFF | 2003/11/05 16:03 |
| S27 | 15   | "5420406"  | USPAT   | OR | OFF | 2003/11/06 08:39 |
| S28 | 5    | "5420406" and visible  | USPAT   | OR | OFF | 2003/11/05 16:05 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S29 | 0   | "5420406" and invisible   | USPAT   | OR | OFF | 2003/11/05 16:05 |
| S30 | 51  | coupon with (picture photograph)  | USPAT   | OR | OFF | 2003/11/06 08:56 |
| S31 | 12  | ("water mark" watermark) with front with back   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:05 |
| S32 | 5   | ("water mark" watermark) with double with sided   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:09 |
| S33 | 3   | ("water mark" watermark) with two with sided  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:09 |
| S34 | 15  | ("water mark" watermark fingerprint seal) with double with sided                              | USOCR   | OR | OFF | 2003/11/06 09:11 |
| S35 | 456 | (fingerprint seal) with double with sided   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:11 |
| S36 | 2   | (fingerprint) with double with sided  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:16 |
| S37 | 8   | (photo photograph) with ticket with (encrypt\$4 encod\$4 encipher\$4)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:19 |
| S38 | 3   | (photo photograph) with ticket with (encrypt\$4 encod\$4 encipher\$4) and (commerce internet) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:20 |
| S39 | 1   | (photo photograph) with ticket with (encrypt\$4 encod\$4 encipher\$4) and (cancel)            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:21 |
| S40 | 0   | (photo photograph) same (coupon ticket) same (encrypt\$4 encod\$4 encipher\$4) same (cancel)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:22 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S41 | 17  | (photo photograph) same (coupon ticket) same (encrypt\$4 encod\$4 encipher\$4) and (internet commerce network cancel) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:35 |
| S42 | 1   | "5304786".PN.   | USPAT   | OR | OFF | 2003/11/06 09:26 |
| S43 | 1   | "5252987".PN.   | USPAT   | OR | OFF | 2003/11/06 09:26 |
| S44 | 1   | "5248856".PN.   | USPAT   | OR | OFF | 2003/11/06 09:26 |
| S45 | 0   | (photo photograph) with (coupon ticket) same internet and (barcode "bar code")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:36 |
| S46 | 80  | (photo photograph) with (coupon ticket) and (barcode "bar code")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:40 |
| S47 | 40  | (photo photograph) with (coupon ticket) and (barcode "bar code") and ("e-commerce" internet network)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:37 |
| S48 | 23  | (photo photograph) with (coupon ticket) and (barcode "bar code") and ("e-commerce" internet)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:37 |
| S49 | 2   | (photo photograph) with (coupon ticket) and ("e-commerce")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:40 |
| S50 | 58  | (photo photograph) with (coupon ticket) and (internet "e-commerce")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/06 09:40 |
| S51 | 5   | "e-commerce" with (coupon ticket)   | USPAT   | OR | OFF | 2003/11/06 10:00 |
| S52 | 171 | internet with (coupon ticket)   | USPAT   | OR | OFF | 2003/11/06 10:00 |
| S54 | 13  | "4864614"   | USPAT   | OR | OFF | 2006/01/10 08:22 |
| S55 | 1   | "6789191" .pn.  | USPAT   | OR | OFF | 2006/11/09 13:36 |



## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 0    | (position location) with encoded with (barcode "bar code")                        | USPAT  | OR               | OFF     | 2007/04/19 09:40 |
| L2    | 252  | (position location) with encoded with (barcode "bar code")                        | USPAT  | OR               | OFF     | 2007/04/19 09:41 |
| L3    | 25   | (position location) adj (data information) with encoded with (barcode "bar code") | USPAT  | OR               | OFF     | 2007/04/19 09:43 |
| L4    | 16   | (position location) adj (data information) with encoded with (barcode "bar code") | US-PGPUB;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/04/19 09:49 |
| L5    | 2    | "5761648".pn.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/04/19 09:49 |
| L6    | 2    | "6964374".pn.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/04/19 09:51 |
| L7    | 65   | (seal pattern) with both with side and authentic\$7                               | USPAT  | OR               | OFF     | 2007/04/19 10:05 |
| L8    | 107  | (seal pattern) with both with side and authentic\$7                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR               | OFF     | 2007/04/19 10:05 |
| L9    | 119  | (seal pattern watermark) with both with side and authentic\$7                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR               | OFF     | 2007/04/19 10:05 |
| L10   | 2360 | 713/176.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR               | OFF     | 2007/04/19 10:05 |
| L11   | 1120 | 713/176.ccls. and document  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR               | OFF     | 2007/04/19 10:05 |